

## **Workshop Announcement**

5-8 October 2004

### **Working Group Meeting on New Standard Radiation Belt and Space Plasma Models for Spacecraft Engineering**

Members of the international radiation belt and space plasma modeling community are invited to attend a workshop on 5-8 October 2004 in the Washington DC area sponsored by NASA's Living With a Star Program. The focus of the workshop will be on the development of the next generation of radiation belt models and space plasma models to replace the AP-8 and AE-8 models. The primary purpose for the development of new models is the reduction of risk and costs associated with the exposure of spacecraft components and instruments to the space radiation environment. The goals of the workshop are to:

1. Report and document recent progress on radiation belt model and plasma model development, and
2. Complete a roadmap for the development of new standard radiation belt and space plasma models for spacecraft engineering.

The workshop introduction will review model requirements derived from the United States Space Technology Alliance's Space Environment and Effects Working Group and from the European Space Agency's Space Environment and Effects Program. The workshop agenda will also include:

1. Review of the current long-term modeling goals of the participants and their institutions,
2. Plenary sessions on recent developments in radiation belt models for protons and electrons, space plasma models, dataset availability and calibration, and current and planned missions and instrumentation for space radiation environment modeling purposes,
3. Road mapping sessions on proton belt models, electron belt models, space plasma models, dataset management, measurement needs not met by current datasets, and the model standardization process, and
4. Roadmap session reports and discussion.

Attendees who wish to make a presentation at the meeting should contact the members of the workshop committee. The Meeting Agenda and Registration Information will be posted on the Living With a Star WEB Site at <http://lws.gsfc.nasa.gov/news.htm>.

Sincerely,

The Workshop Committee

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